

SECRET**PRIORITY**

OUT 52275

P 121701Z

FM NPIC

TO YWQLAZC/AFSSO FTD

ZEM

1963 NOV 12 17 39Z

12 NOV 1963

HFS

CJS

CFC

PNS

ACL

S E C R E T. RELEASABLE FROM SSO CHANNELS. SSOS PASS TO TCO.

CITE NPIC 1455. THE FOLLOWING INFORMATION IS FROM THE NATIONAL

PHOTOGRAPHIC INTERPRETATION CENTER:

1.

TAKEN AT THE MOSCOW

Grace (File)

25X1

PARADE OF 7 NOVEMBER REVEALED THREE SURFACE-TO-AIR MISSILES REPORTED BY THE SOVIETS TO BE ANTIMISSILE MISSILES.

2. THE RESULTS OBTAINED FROM THE PRELIMINARY ANALYSIS OF THE

PHOTOGRAPHY ARE QUALIFIED BY THE FOLLOWING LIMITING FACTORS:

25X1

UNKNOWN ENLARGEMENT FACTOR DUE TO CROPPING OF PAPER PRINTS AND THE POOR QUALITY OF SOME OF THE PHOTOGRAPHS.

3. THE FOLLOWING DIMENSIONS ARE BASED UPON THE IDENTIFICATION OF THE TOWING VEHICLE AND THE ASSUMPTION THAT THE WHEEL BASE IS 4520 MM AND THAT ITS HEIGHT OVER CAB IS 2725 MM. ALL VALUES ARE CONSIDERED ACCURATE TO LESS THAN 6 INCHES BASED ON THE ABOVE ASSUMPTIONS.

4. PRELIMINARY ANALYSIS AND MENSURAL DATA OBTAINED FROM PHOTOGRAPHY FURNISHED SHOWS THESE TO BE TWO STAGE MISSILES WITH AN OVERALL LENGTH FROM THE TIP OF THE PRESSURE PROBE TO THE REAR OF THE BOOSTER NOZZLE OF 48 FEET. THESE MISSILES ARE TOWED BY WHAT IS PROBABLY A TRACTOR VERSION OF THE MAZ 502 CARGO TRUCK. OTHER PERTINENT

SECRET

GROUP 1
Excluded from automatic
downgrading and
declassification

2

DATA OBTAINED IS AS FOLLOWS:

BOOSTER:

LENGTH 12.14 FEET

DIAMETER 3.15 FEET

DIAMETER INCLUDING STABILIZER FINS 15.6 FEET

SURFACE AREA OF EACH STABILIZER FIN 26.7 SQUARE FEET

SUSTAINER AND WARHEAD:

LENGTH FROM TIP OF PRESSURE PROBE TO END OF SUSTAINER NOZZLE

SKIRT 35.86 FEET

LENGTH OF SUSTAINER INCLUDING NOZZLE SKIRT 26.04 FEET

LENGTH OF NOZZLE SKIRT 1.14 FEET

DIAMETER OF SUSTAINER 2.65 FEET

DIAMETER AT JUNCTION OF SUSTAINER AND NOZZLE SKIRT 1.97 FEET

DIAMETER INCLUDING LENGTH OF CONTROL FINS 6.72 FEET

SURFACE AREA OF EACH CONTROL FIN 2.55 SQUARE FEET

DIAMETER INCLUDING LENGTH OF STABILIZER FINS 11.02 FEET

SURFACE AREA OF EACH STABILIZER FIN 21.55 SQUARE FEET

LENGTH OF WARHEAD 6.20 FEET

CURVATURE OF OGIVE -- CANNOT BE DETERMINED ACCURATELY FROM AVAILABLE PHOTOGRAPHY

LENGTH OF PRESSURE PROBE 3.62 FEET

MAXIMUM DAIMETER OF PRESSURE PROBE 6 INCHES

MINIMUM DIAMETER OF PRESSURE PROBE 2 INCHES

TRACTOR AND TRAILER:

OVERALL LENGTH OF TRACTOR AND TRAILER 61.57 FEET

3

LENGTH OF TRAILER 45.8 FEET

MAXIMUM WIDTH OF TRAILER 12.6 FEET

5. REQUEST YOUR COMMENTS CONCERNING THE ABOVE INFORMATION.

S E C R E T

END OF MESSAGE

1

1